



NITFS

Compliance Registration



Product: Geospatial Information Processing Center (GIPC) Baseline 3.80
for the production of Controlled Image Base (CIB)
Sponsor: Harris Corporation
Developer: Harris Corporation

Date: 11 January 2005
Expiration: 10 January 2007
Registration #: 341

- ☐ Initial Registration
☒ Supplemental/Update #36
☐ Derived from Reg. #

System
N-0105/98, §4.1.1

Product
N-0105/98, §4.1.2

☒ **Component**
N-0105/98, §4.1.3

NITFS Features Implemented:

Format

- NITF**
☐ v2.1
☒ v2.0
☐ v1.1
NSIF
☐ v1.0

Image Segment Types

- ☒ MONO
☐ RGB
☐ RGB/LUT
☐ YCbCr
☐ MULTI
☐ NODISPLAY
☐ POLAR

Data Extension Segments

- ☐ TRE_OVERFLOW
☐ STREAMING_FILE_HEADER
☐ Controlled Extensions **
☒ Registered Extensions **

Tagged Record Extensions

- Registered TRE
RPFHDR
RPFIMG
RPFDES

| Complexity Level | | | | | | | |
|------------------|---|---|---|---|---|---|-----|
| NITF 2.1 CLEVEL | | | | | | | |
| | 3 | 5 | 6 | 7 | | | |
| Interpret | | | | | | | |
| Generate | | | | | | | |
| NITF 2.0 CLEVEL | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | Oth |
| Interpret | | | | | | | |
| Generate | | | | | | | |

Pixel Value Types

- ☐ Boolean
☒ Integer
☐ Signed Integer *
☐ IEEE Real *
☐ IEEE Complex *

Image Compression

- ☐ Not Compressed
☐ JPEG Lossy, 8-bit
☐ JPEG Lossy, 12-bit
☐ JPEG Downsample
☐ JPEG Lossless
☐ JPEG 2000
☐ Bi-Level
☒ Vector Quantization
☐ Multispectral JPEG, Individual Band

Annotation Segment Types

- ☐ Bi-Mapped **
☐ CCM, 2301
☐ CCM, 2301A
☐ Labels **

Text Segments

- ☐ STA
☐ UT1
☐ U8S
☐ MTF

Configurations Tested:

- SGI ORIGIN 3800, 36-600 MHz IP35, 10/100 MB and 1000 MB Ethernet, 36 GB RAM, 22 TB disk arrays running IRIX 6.5.20

Interpret
Generate
Legend
☒ Fully implemented
☐ Partially implemented
☐ Not implemented

EDWARD E. BOYLES II, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.
Potential users should evaluate the detailed test results to determine the suitability of
the product for the intended use. Optional NITFS features may not be implemented.